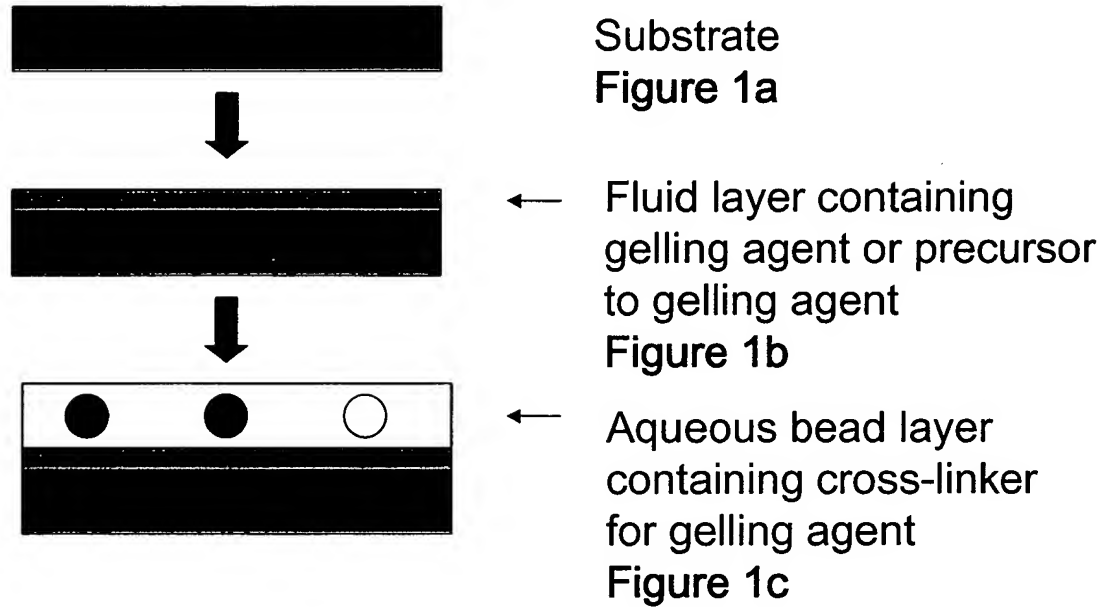
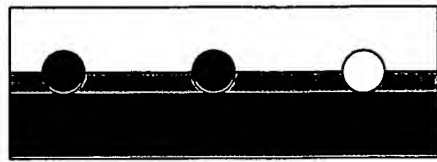


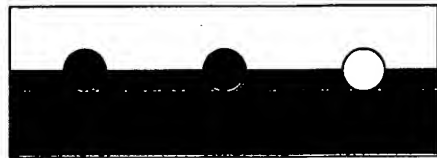
Figure 1

Process for Preparing Random Bead Micro-array

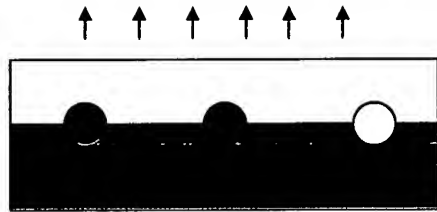




← Beads partially submerge into fluid layer containing gelling agent due to gravity  
Figure 1d



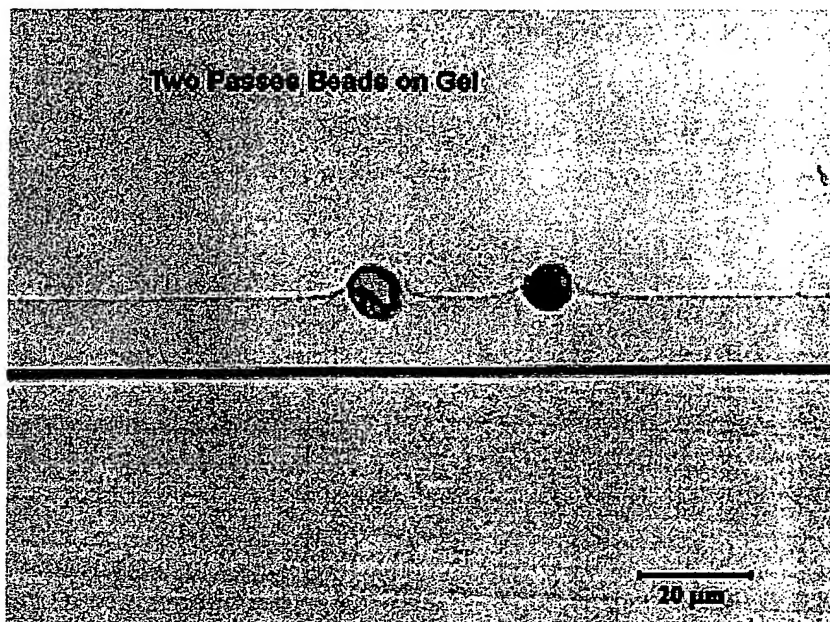
← Gelling agent undergoes sol-gel transition to increase viscosity (preferred) and restrict lateral movement of beads



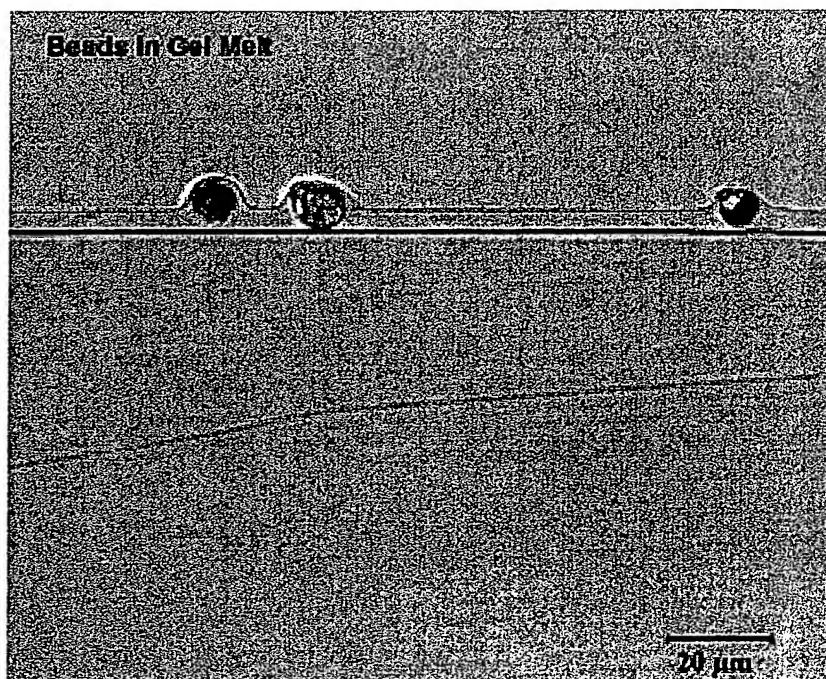
← Water is evaporated from the top layer to expose the surface of the beads  
Figure 1f



← Gelling agent undergoes cross-linking reaction to permanently fix the beads  
Figure 1g



**Fig. 3A**



**Fig. 3b**